CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.:CQCE/BBMP/KRG/17/2020-2021

20.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. K R Govindaraju**, Contractor, Bangalore.

Name of the work : Construction of Oldage Homes and other Building in JP Park in ward no.17, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.06.2021	20.07.2021	8.216	615.2	27.34
2	22.06.2021	20.07.2021	8.226	603.9	26.84
3	22.06.2021	20.07.2021	8.198	624.8	27.77

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Assistant Executive Engineer (Project)
Bruhat Bangalore Mahanagar Palike
Rajarajeshwari Nagar Zone

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRG/17/2020-2021

Date: 08.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer, Project** Division,RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. K R Govindaraju,** Contractor, Bangalore.

Name of the work : Construction of Oldage Homes and other Building in JP Park in ward no.17, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.154	499.0	22.18
2	01.07.2021	08.07.2021	8.172	509.0	22.62
3	01.07.2021	08.07.2021	8.167	532.1	23.65

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.056	512.3	22.77
2	01.07.2021	08.07.2021	8.127	532.1	23.65
3	01.07.2021	08.07.2021	8.134	540.0	24.00

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Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.192	504.9	22.44
2	01.07.2021	08.07.2021	8.024	516.3	22.95
3	01.07.2021	08.07.2021	8.167	537.4	23.88

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Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.021	489.7	21.76
2	01.07.2021	08.07.2021	8.143	492.3	21.88
3	01.07.2021	08.07.2021	8.157	506.7	22.52

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Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.164	511.6	22.74
2	01.07.2021	08.07.2021	8.127	523.4	23.26
3	01.07.2021	08.07.2021	8.012	539.8	23.99

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Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.025	510.0	22.67
2	01.07.2021	08.07.2021	8.167	520.0	23.11
3	01.07.2021	08.07.2021	8.091	530.0	23.56

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.021	480.0	21.33
2	01.07.2021	08.07.2021	8.143	490.0	21.78
3	01.07.2021	08.07.2021	8.194	502.3	22.32

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Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.062	482.3	21.44
2	01.07.2021	08.07.2021	8.112	496.7	22.08
3	01.07.2021	08.07.2021	8.134	500.9	22.26

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.056	502.3	22.32
2	01.07.2021	08.07.2021	8.013	515.8	22.92
3	01.07.2021	08.07.2021	8.197	532.1	23.65

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.046	710.2	31.56
2	01.07.2021	29.07.2021	8.127	715.6	31.80
3	01.07.2021	29.07.2021	8.139	728.9	32.40

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Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.194	716.8	31.86
2	01.07.2021	29.07.2021	8.125	729.4	32.42
3	01.07.2021	29.07.2021	8.137	733.3	32.59

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.021	713.5	31.71
2	01.07.2021	29.07.2021	8.064	728.9	32.40
3	01.07.2021	29.07.2021	8.122	734.4	32.64

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.148	710.6	31.58
2	01.07.2021	29.07.2021	8.122	720.4	32.02
3	01.07.2021	29.07.2021	8.167	730.9	32.48

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Assistant Executive Engineer (Project)
Bruhat Bangalore Mahanagar Palike
Rajarajeshwari Nagar Zone

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRG/17/2020-2021

Date: 29.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer, Project** Division,RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. K R Govindaraju,** Contractor, Bangalore.

Name of the work : Construction of Oldage Homes and other Building in JP Park in ward no.17, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.200	713.8	31.72
2	01.07.2021	29.07.2021	8.124	726.9	32.31
3	01.07.2021	29.07.2021	8.164	731.2	32.50

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.025	718.9	31.95
2	01.07.2021	29.07.2021	8.185	724.3	32.19
3	01.07.2021	29.07.2021	8.021	735.4	32.68

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.055	710.0	31.56
2	01.07.2021	29.07.2021	8.124	720.0	32.00
3	01.07.2021	29.07.2021	8.167	730.0	32.44

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Agency : **Sri. K R Govindaraju,** Contractor, Bangalore.

Name of the work : Construction of Oldage Homes and other Building in JP Park in ward no.17, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.199	712.8	31.68
2	01.07.2021	29.07.2021	8.124	725.6	32.25
3	01.07.2021	29.07.2021	8.123	737.8	32.79

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Job No.: CQCE/BBMP/KRG/17/2020-2021 Date: 29.07.2021

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Agency : **Sri. K R Govindaraju,** Contractor, Bangalore.

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.061	701.2	31.16
2	01.07.2021	29.07.2021	8.124	712.3	31.66
3	01.07.2021	29.07.2021	8.173	734.5	32.64

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRG/17/2020-2021

Date : 27.05.2021

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. K R Govindaraju,** Contractor, Bangalore.

Name of the Work : Construction of Oldage Homes and other Building in JP Park in ward no.17, BBMP, Bangalore

Date of Testing : 27.05.2021

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	32.2	356.2	4.45	2012.50	Minimum required Compressive Strength of Individual Units 4.00N/mm^2
2	Block 2	31.9	363.1	4.54	1993.75	
3	Block 3	32.5	374.8	4.69	2031.25	
4	Block 4	31.4	382.5	4.78	1962.50	

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